

9/135/60/000/006/002/007
A104/A029

Activity of VNIIESO in Automation of Welding Equipment

welder was developed for welding 1.5 - 2 mm thick side-walls of locomotives. The welder has 30 pairs of electrodes and 10 welding converters totalling 2,400 kva. The minimum distance between electrodes is 65 mm, the maximum distance 2,145 mm. The MTMB-24X240 (MIMV-24X240) multi-electrode spot welder has 24 pairs of electrodes, 12 welding converters and a chain conveyor system. The MWCT-2X50 (MSHSP-2X50) contact-roller welder and a MCT-6 (MST-6) semi-automatic welder for friction welding of accumulator terminals consisting of 10 - 12 mm copper bars welded to a 8 mm plate were also developed. The welder is equipped with a turntable with a capacity of 400 weldments per hour. The new method replaced low-production torch welding. There are 3 tables and 10 photographs.

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S/110/60/000/006/001/007
E194/E455

AUTHOR: Kochanovskiy, N.Ya., Engineer

TITLE: The Development of Electric Welding Production in the
Current Seven-Year Plan

PERIODICAL: Vestnik elektropromyshlennosti, 1960, ^{3/} No.6, pp.6-11

TEXT: In the seven-year plan the production of welded constructions will be more than doubled. The output of electric welding equipment should be more than quadrupled. The use of resistance-welding and submerged-arc welding and electro-slag welding will be more than doubled. Inert-gas arc-welding will increase 6 times and by 1965 the level of mechanization of welding will be not less than 40% and in important branches of industry 60 to 80%. The use of welding is increasing in automatic and mechanized production and multi-electrode machines with programme control are being introduced, for example for making tubes from strip. It is necessary to develop new methods of welding; the desirable features of new welding equipment are enumerated. Considerable successes have been achieved with new welding processes
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The Development of Electric Welding Production in the Current Seven-Year Plan

and improved techniques. A new process of electro-slag welding has been developed for joining parts of almost any thickness. This is particularly important in the manufacture of large parts. The method of electric arc welding in a carbon dioxide atmosphere, which is cheap and well-suited to welding low-carbon low-alloy and some high alloy steels, has been proposed. The main types of welding equipment required have been developed and series production has commenced. A. Chudikov has developed the method of friction welding which is very promising but its introduction is being delayed because of the low rate of output of the prototype. A new method of arc contact welding with a rotating arc controlled magnetically has a number of advantages. This method can be used to weld various cylindrical products, including gas and oil piping, and consumes little power. The process of cold butt-welding of aluminium and copper and the method of cold spot-welding for attaching copper fittings to aluminium busbars and wires have been

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The Development of Electric Welding Production in the Current Seven-Year Plan

developed and can be successfully used in a variety of constructions in the electrical industry. Process development work is being carried out on vacuum welding by an electron beam, ultrasonic spot- and seam-welding, and on new processes for welding metals and plastics. A number of new promising welding processes are still inadequately used. The welding equipment for these processes often consists of laboratory prototypes or is produced in limited quantities. It is necessary to develop series production of such equipment. In recent years, Soviet industry has received considerable quantities of equipment for series production. Automatic and semi-automatic equipment for welding and depositing weld metal under flux in a protective gas atmosphere has been developed. A new series of more economical welding transformers has been developed, as well as many other types of equipment. In the great majority of cases, the equipment produced meets modern requirements. However, the

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E194/E455

**The Development of Electric Welding Production in the Current
Seven-Year Plan**

Industry is still producing obsolescent types of machine which are of unsatisfactory welding properties or are too heavy and cumbersome. This particularly applies to various types of motor-generator converters. Hundreds of different types of machines are now being produced for arc, resistance and other kinds of welding. Although this great range has its conveniences in many ways, it has its disadvantages too: considerable standardization and concentration on the best types of equipment is required. It is necessary to extend the standard equipment for welding in a protective atmosphere. Similar methods are also used for depositing hard alloys on wearing parts. A series of machines should be developed for contact impulse spot- and seam-welding of aluminum alloys. Attention should be paid to the use of semiconductor rectifiers in power supply systems for arc and resistance welding. Semiconductor rectifiers should be developed for welding currents of up to 1000 A. In view of the extending use of new grades of alloy and rare metals and also of various plastics, it is

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The Development of Electric Welding Production in the Current Seven-Year Plan

necessary to develop standard equipment for new welding processes (welding in vacuum by a beam of electrons, and high-frequency welding). By developing standard welding equipment great savings of material should be possible. New types of welding transformers, particularly those with aluminium windings, have permitted considerable economy of copper. The use of static capacitors in conjunction with welding transformers improves the power factor. Equipment panels have been considerably standardized. Multi-electrode welding sets for spot- and seam-welding have been extensively applied in industry. Use is also made of special sets made up as automatic machines or automatic lines to carry out an integrated series of assembly and welding operations on products. Multi-electrode welding sets are finding ever wider application in various branches of industry, particularly in the manufacture of automobiles and railway rolling stock, in the coal industry and in agricultural machine construction. Automatic machines for welding

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S/193/61/000/011/001/007
A004/A101

AUTHOR: Kochanovskiy, N. Ya., Candidate of Technical Sciences

TITLE: State and development prospects of resistance welding

PERIODICAL: Byulleten' tekhniko-ekonomicheskoy informatsii, no. 11, 1961, 14-20

TEXT: The author presents a detailed survey on resistance welding equipment, such as standard resistance welders, welders for the welding of light alloys, specialized machinery and automatic welders and welding lines, and describes the further development of resistance welding in the Soviet Union under the current Seven-Year Plan. He points out that, compared to 1955, the production of resistance welders in 1961 increased by a factor of 4, while the technical level of this equipment was raised considerably. In 1961 the total output of resistance welders was divided into welders for spot welding - 58.5%, for seam welding - 8.7% and for resistance butt welding - 32.8%. The author presents a table breaking down the welder output into machines of up to 50 kva and over that capacity, and mentions in this connection the MTK-2 (MTK-2), TKM-7 (TKM-7) and TKM-8 (TKM-8) welders for the spot welding of ferrous and nonferrous metals 0.02 to 0.7 mm thick, the MC-0.75 (MS-.75) and MC-3 (MS-3) butt welders for

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State and development prospects of resistance ...

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ferrous and nonferrous metals from 0.4 to 8 mm in diameter. The spot, seam and projection welders are of unified design with a great number of standardized units and parts. Resistance welders of more than 50 kva power represent at present some 30% of the total number of resistance welding machines. Six types and sizes of the MTH(MTP) stationary spot welder in the range of 75 - 400 kva are produced at present. These machines are intended for the welding of low-carbon steels from 0.5 + 0.5 to 8 + 8 mm thick. The MTHH (MShP) and MTHHE (MShPE) seam welders ranging from 100 to 200 kva are manufactured in eight types and sizes and are intended for the welding of sheet material from 0.5 + 0.5 to 2 + 2 mm thick. The latter type is used preferably in the automotive industry. A series of resistance butt welders ranging from 150 to 500 kva with electric and hydraulic drive and automatic control make it possible to weld low-carbon steel parts up to 8,000 mm² cross section. The author mentions a specialized heavy-duty welder of the MCO-750 (MSO-750) type for the welding of rails, pipes, wheel rims, etc., and a spot welder with large electrode arm for the welding of large-sized components. A new series of pulsation spot welders of the MTHIT (MTPT) type with three-phase power supply has been developed. These welders range from 450 to 1,000 kva, have a boom of 1.5 m and are intended for the welding of aluminum alloys up to 7 + 7 mm thick. The author points out that

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State and development prospects of resistance ...

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A004/A101

projection welders are widely used in industry for the production of metallic radio tubes, while four-roller seam welders are used for the welding of accumulator housings. These machines have a capacity of up to 1,500 parts/hour. MCA(MSL) resistance butt welders are used in welding and assembly lines for the welding of strip and sheet materials 1.5 to 6 mm thick and 100 to 500 mm wide. The capacity of these welders amounts to 70 welds/hour. More powerful butt welders (800 kva) weld sheets up to 1 m wide and 5 mm thick. The welding current is some 150,000 amp. Multi-spot welders for the welding of automobile, rail car, agricultural machine and other parts have some tens of electrodes. The rated capacity of an assembly and welding line is 150 mine chutes per hour. The author then gives a brief survey on welding automatics and automatic welding lines, e.g. for the welding of pipes from strip material with a capacity of up to two and more kilometers of finished pipe per hour, for the manufacture of welded chains from wire 6 to 19 mm in diameter with a capacity from 250 to 700 chain links per hour, for the production of nettings and framework for reinforced concrete structures with a capacity of up to 250 running meters of ready netting per hour. It is pointed out that, compared with 1960, the output of resistance welders is going to be increased by 1965 by a factor of 3.5 - 4. There are 3 figures and 2 tables.

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S/110/62/000/004/002/002
1004/1204

AUTHOR: Kochanovskiy, N. Ya. Candidate of Mechanical Science

TITLE: Some of the activities of VNIIESO in 1961

PERIODICAL: Vestnik elektromyshlennosti, no. 4, 1962, 65-68

TEXT: Production of welding machines in the USSR has more than tripled as compared with 1955 and this rate of growth is claimed to surpass that of the USA. Special attention is being paid at the VNIIESO to inert-gas metal-arc welding and heliarc metal cutting processes. Contact welding, ultrasonic-, friction- and cold-welding are also a part of the studies. Both general purpose and specialized equipment is being developed. General purpose welding machines are designed for specific materials and cross-sections without attention being paid to the elements intended for welding. Other welding equipment takes into account the features of the elements to be welded and the degree of mechanisation and automatization of the entire technological process. The following equipment has been developed at VNIIESO during 1961: (1) motor-generator convertor for 500 amp for inert-gas- shielded arc welding; (2) universal selenium rectifiers BCY-300 (VSU-300) and BCY-500 (VSU-500) for welding machines; (3) small portable transformer (100 to 180 amp) for arc welding of constructions; (4) automatic arc welding machine ADK-500 (ADK-500) for welding of ring-shaped elements of 75 to 300 mm dia in an atmosphere of carbon dioxide; (5) a copying device with a follow-up system which




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Some of the activities of...

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1004/1204

moves the electrode wire into the desired position; (6) universal automatic 1000 amp submerged arc welding machine. (7) heliarc metal cutting machine for aluminum, copper and stainless steel with special argon-saving heads; the cutting speed of stainless steel 10 to 60 mm thick is correspondingly 80 to 12 m/hour; (8) improved automatic spot welding equipment able to attain 200 spots per minute. It is pointed out that power supplies for contact welding machines employing semiconductor rectifiers make the welding machine smaller and simpler. Prototypes of a friction welding machine for cylindrical elements 20 to 50 mm dia and a cold-welding machine were constructed. Universal 600 kVA machines for pulse welding, machines for welding of plastics, ultrasonic welding and others were also developed during this period. There are 3 figures



Card 2/2

KOCHANOVSKIY, N.Ya., kand.tekhn.nauk

Some works of the All-Union Scientific Research Institute of
Electric Welding Equipment. Vest. elektroprom. 33 no.4:65-68
Ap '62. (MIRA 15:4)
(Electric welding—Equipment and supplies)

TERENT'YEV, Yuriy Yakovlevich; GROMYKO, Leonid Georgiyevich;
KOCHANOVSKIY, M.I., nauchnyy red.; POPOV, V.N., red.;
TOKER, A.M., tekhn. red.

[Equipment and control instruments for resistance welding]
Oborudovaniye i apparatura dlia kontaknoi svarki; al'bom.
Moskva, Proftekhizdat, 1962. 137 p. (MIRA 15:11)
(Electric welding--Equipment and supplies)

5/135/63/000/001/010/016
A006/A101

AUTHORS: Kochanovskiy, N. Ya., Zaychik, L. V., Candidates of Technical Sciences

TITLE: Using d-c in resistance welding

PERIODICAL: Svarochnoye proizvodstvo, no. 1, 1963, 35 - 36

TEXT: The advantages of using d-c for resistance welding are: uniform load of the three-phase circuit; reduction of the required network power by a factor of 1.5 - 5; increase of the power coefficient; reduced power consumption; and elimination of the effect of the magnetic masses in the machine contour upon the welding current. The power supply of electric welding machines is satisfactorily achieved by the use of d-c, obtained from a-c, rectified by means of semiconductor valves. Germanium valves in rectifying circuits permit a 4 - 6fold overload as compared to average rated current. As a result a three-phase rectifier unit with nine 1,000-amp-valves assures 12 - 15 kamp welding current. At VNIIESO several variants of d-c machines were investigated and the techniques of welding different metals were studied. A three-phase circuit of d-c resistance welding machines was

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Using d-c in resistance welding

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developed, and a test model of a multi-purpose spot welding machine was designed. Germanium 500 and - 1,000-amp valves were used. The machine assures stabilized welding currents during variations in the network voltage, smooth increment and drop of the welding current and the supply of two current pulses of different intensity and duration. In 1962 the "Elektrik" Plant delivered an industrial model of a d-c spot-welding machine designed by VNIIESO. The technical data are: 40 kAmp rated welding current; 2,000 kg maximum welding force; 1,200 mm rated sweep. The large-scale production of d-c resistance welding machines could be started in 1963; however, the insufficient volume of germanium valve production and their high cost are serious obstacles in this project. There are 3 figures.

ASSOCIATION: VNIIESO

Card 2/2

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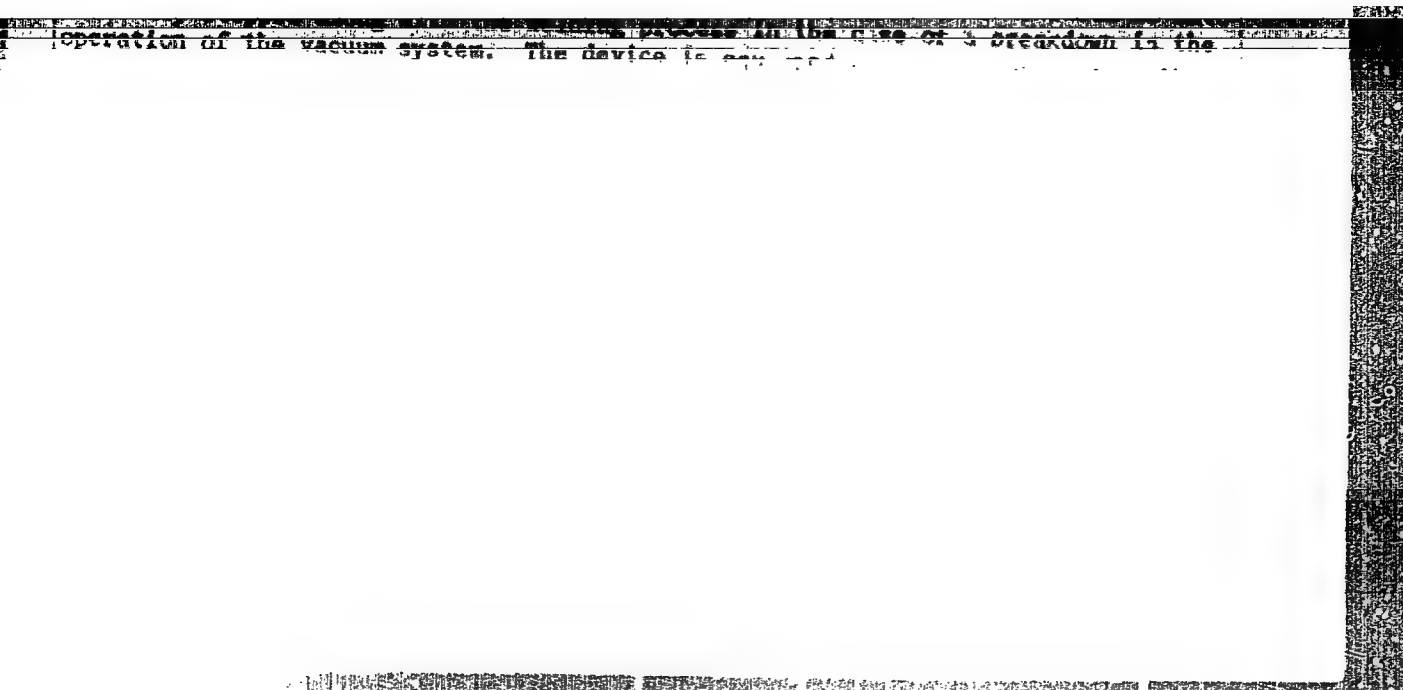
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L 13313-66

ACCESSION NR: AP5021591

UR/0286/65/000/013/0065/0065 93

AUTHORS: Kovrov, B. V.; Kochanovskiy, M. Ya.; Yesipov, Ye. I.; Tolyarenko, N. Ye.

TITLE: Machine for continuous welding of polymer films. Class 39, No. 172474

SOURCE: Byulleten' izobreteniy i tovarnykh znakov, no. 13, 1965, 65

TOPIC TAGS: polymer film

ABSTRACT: This Author Certificate presents a machine for continuous welding of polymer films. The machine consists of an endless metallic band put on a driving and a driven roller, a pressing roller, a cooler, and a stripping device (see Fig. 1 on the Enclosure). To simplify the machine design and to broaden its technological possibilities, the endless metallic band is in contact with leads connected to the outputs of a transformer secondary. Orig. art. has: 1 diagram.

ASSOCIATION: Vsesoyuznyy nauchno-issledovatel'skiy institut elektrovarochnogo oborudovaniya (All-Union Scientific Research Institute of Electric Welding Equipment)

SUBMITTED: 15Jun64

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Card 1/2

L 13315-66

ACCESSION NR: AP5021591

ENCLOSURE: 01

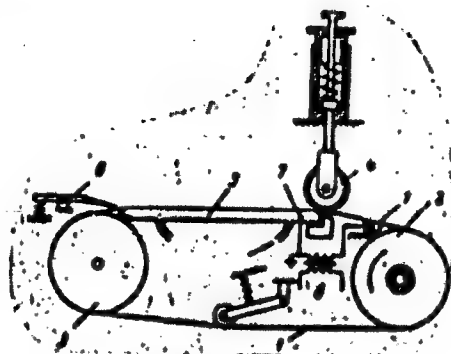


Figure 1:

1. endless metallic band
2. driven roller
3. known roller
4. pressing roller

5. cooler
6. stripping device
7. feeder rod
8. transformer

Card 2/2

KOCHANOVSKIY, N.Ya., doktor tekhn. nauk

Basic objectives in improving the quality of welding equipment.
Svar. proizv. no.7:1-4 JI '65. (MIRA 18:8)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut elektrosvarochnogo
oborudovaniya.

KOCHANEV, N.Ya., doktor tekhn.nauk

Basic trends in the development of welding equipment. Elektrotehnika
30 no.11-12 Ja '65. (MIRA 18:3)

RAKHTEYENKO, I.N.; KOCHANOVSKIY, S.B.

Dependence of the vital activities of the root systems of trees
on the aeration conditions. Fiziol.rast. 12 no.4:597-605 J1-Ag
165. (MIRA 18:12)

1. Institut botaniki i mikrobiologii AN BSSR, Minsk. Submitted
April 6, 1963.

KOCHANOVSKIY, S.B.

Effect of soil air conditions on the state of trees in cities.
Pochvovedenie no.10:90-102 O '64.

(MIRA 17:11)

1. Institut biologii AN BSSR.

RAKHTEYENKO, I.N.; KOCHANOVSKIY, S.B.

Water balance and mineral nutrition of the small-level linden
planted in streets. Biol. Glav. bot. sada. no.49:42-47 '63.
(MIRA 16:8)

1. Institut biologii Akademii nauk Belorusskoy SSR, Minsk.
(Minsk—Plants—Nutrition)
(Minsk—Linden—Water requirements)

RAKHTEYENKO, I.N.; KOCHANOVSKIY, S.B.

Water balance and mineral nutrition of the small-level linden
planted in streets. Biol. Glav. bot. sada. no.49:42-47 '63.
(MIRA 16:8)

1. Institut biologii Akademii nauk Belorusskoy SSR, Minsk.
(Minsk—Plants—Nutrition)
(Minsk—Linden—Water requirements)

RAKHTEYENKO, I.M.; KOCHANOVSKIY, S.B.; IVANCHENKO, V.M.

Absorption of tagged phosphorus by individual parts of aerial
organs in woody plants. . Sbor. nauch. rab. Bel. otd. ~~1960~~ no.3:
116-121 '61. (MIRA 14:12)
(Trees—Physiology) (Phosphorus—Isotopes)

IVANCHENKO, V.M.; KOCHANOVSKIY, S.B.

Effect of light on the distribution of phosphorus in woody
plants. Biol. Inst. biol. AN BSSR no.6:77-81 '61. (MIRA 15:3)
(PLANTS, EFFECT OF LIGHT ON)
(PHOSPHORUS)

KROT, L.A.; KOCHANOVSKIY, S.B.; IVANCHENKO, V.M.; ZATYEVA, R.V.

Soil water balance for urban tree planting. Biol. Inst.
biol. AN BSSR no.6:72-76 '61. (MIRA 15:3)
(TREE PLANTING)
(SOIL MOISTURE)

RAKHTEYENKO, I.N. [Rakhtsenko, I.N.]; KOCHANOVSKIY, S.B. [Kochanovski,
S.B.]

Effect of the air balance of soil on the vital activity of
root systems. Vestsi AN BSSR, Ser. biol. nav. no. 3:14-23 '63
(MIRA 17:7)

RAKHTEYENKO, I.N.; KOCHANOVSKIY, S.B.

Ways of improving the growth conditions of ornamental woody plants in
street plantings. Bot.; issl. Bel. otd. VBO no.6:227-235 '64.

(MIRA 18:7)

RAKHTEYENKO, I.N.; KOCHANOVSKIY, S.B.

Improving the growth conditions of woody plants in street plantings.
Biu. Glav. bot. sada no.57:44-45 '65. (MIRA 18:9)

1. Institut eksperimental'noy botaniki i mikrobiologii AN BSSR,
Minsk.

CHODKOWSKA, S.; KOCHANOWICZ, J.; DABROWSKI, A.

Atypical clinical appearances of the breast cancer. Oruslica
33 no.7:615-616 J1 '65.

OSINSKA, Krystyna; KLOTT, Maria; ZAJACIOWSKA, Jadwiga; KOCHANOWICZ, Jan;
LACHOWICZ, Danuta; NASIADKO, Halina

Results of the treatment of pulmonary tuberculosis with 2 grams
of streptomycin weekly associated with PAS. Gruslica 24 no.5;
341-348 May 56.

1. 2 Oddzialow fizjopatycznych Instytutu Gruslicy Dyrektor:
prof. dr. J. Misiewicz, Instytut gruslicy, Warszawa, ul. Plocka
26.

(STREPTOMYCIN, therapeutic use,
pulm. tuberc., with PAS (Pol))
(PARAAMINOSALICYLIC ACID, therapeutic use,
pulm. tuberc., with streptomycin (Pol))

ZYCH, Dobieslaw; KOCHANOWICZ, Jan; PIEKARNIAN, Krystin; KLOTT, Maria

Tuberculosis of the breast. Gruslica 30 no.7:667-673 '62.

1. Z Instytutu Gruslicy Z Oddzialu II Kierownik: prof. dr med.
W. Jaroszewicz i z Oddzialu I Kierownik: doc. dr med. P.
Krakowka Dyrektor: prof. dr med. W. Jaroszewicz.
(BREAST DISEASES) (TUBERCULOSIS)

KOCHANOWICZ, Jan; ARASZKIEWICZ, Włodzisław

Effusion of chyle into the pleural cavity (chylothorax) as a sequel of spontaneous rupture of a pleural adhesion. *Gruslica* 28 no.1:53-62 Jan '60.

1. Z II Oddziału Instytutu Gruslicy. Kierownik: prof.dr W. Jaroszewicz; z IX Oddziału Instytutu Gruslicy. Kierownik: dr B.Chwalibog. Dyrektor Instytutu: prof.dr W. Jaroszewicz.
(CHYLOTHORAX etiol.)
(PLEURA dis.)
(ADHESIONS compl.)

KOCHANOWICZ, Jan; PLETEINICKA, Hanna; CIMALIBOG, Barbara

Functional impairment following thoracic surgery in patients who underwent physical therapy. Gruslica 33 no.4:301-312 Ap '65.

1. Z Pracowni Rehabilitacji Leczniczej (Kierownik: lek. J. Kochanowicz) i z Klinik Instytutu Gruźlicy.

MASZCZYK, Zinaida; KOCHANOWICZ, Jan; KAMINSKI, Zdzislaw.

A case of giant cyst associated with pulmonary neoplasm and tuberculosis. Gruslica 28 no.9:725-730 S '60.

1. 2 Oddzialu II Kierownik: prof. dr W.Jaroszewicz i z Oddzialu
Patologii Kierownik: prof. dr S.Jhodkowska Instytutu Gruzielicy
Dyrektor: prof. dr W.Jaroszewicz
(TUBERCULOSIS PULMONARY compl)
(LUNG NEOPLASMS compl)

KRAKOWKA, Pawel; CHODKOWSKA, Stefania; KILOTT, Maria; KOCHANOWICZ, Jan

2 Cases of *Aspergillus fumigatus* infection of pleural empyema in patients with pulmonary tuberculosis. *Gruźlica* 30 no.3:259-267 '62.

1. 2 Pracowni Mykologicznej i z Oddziału Gruźlicy Płuc Kierownik: doc. dr med. P. Krakowska z Zakładu Patologii Kierownik: prof. dr. med. S. Chodkowska z Oddziału Gruźlicy Płuc Kierownik: prof. dr. med. Wiwa Jaroszewicz Instytutu Gruźlicy Dyrektor: prof. dr. med. Wiwa Jaroszewicz.

(ASPERGILLOSIS case reports) (EMPYEMA microbiol)
(TUBERCULOSIS PULMONARY compl)

KUCHANOWICZ, T

CHURCH, T

Given Name

Country: Poland

Academic Degrees:

Director, Center for Industrial Skin Diseases, Institute of
Agriculture, Industrial Medicine for the Coal and Metallurgical Indus-
tries (Instytut Medycyny Pracy i Przemysłu Węglowno i Hutniczego) (Warsaw)
Source: Warsaw, Prace Lekarskie, No 4, 1941, pp 145-146

Note: "Blood Serum Base Reserves in Workers in Chemical Coke Works,
with regard to the Systemic Acid-Base Balance."

Coauthors:

KUCHANOWICZ, T.

WARTANOWSKA, A.

3

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Central
Jarawa

101-205

In the

KOCHANOWICZ, Tadeusz

Perfection of the managing staff. Przegl techn 31 no.21:3-4
Mj '60.

1. Wiceminister Pracy i Opieki Społecznej, Warszawa.

CHORAZAK, Tadeusz; KOCHANOWICZ, Teresa

Outaneous changes in workers employed in production of nicoside.
Prsegl. derm. 4 no.1:23-30 Ja-P '54.

1. Z sekoji chorob zawodowych skory Instytutu Medycyny Praca w
Zabrsu. Kierownik: prof. dr T.Chorazak.

(NICOTINIC ACID ISOMERS, injurious effects,

*isoniasid, occup. skin lesions in workers)

(SKIN, diseases,

*occup. isoniasid lesions in workers)

(OCCUPATIONAL DISEASES,

*skin lesions caused by exposure to isoniasid in workers)

KOCHANOWICZ, TERESA

CHORAZAK, Tadeusz; BASINWICZ, Wieslaw; BRZEZINSKA, Josefa; KOCHANOWICZ, Teresa.

Furunculosis in miners as occupational skin disease . Prsegl. derm., Warsz. 5 no.2:111-121 Mar-Apr '55.

1. Z Kliniki Dermatologicznej Slaskiej A.M. w Zabrsu. Dyrektor: prof. dr T. Chorasak.

(FURUNCULOSIS

in miners, as occup.dis.)

(OCCUPATIONAL DISEASES

furunculosis in miners)

(MINING

furunculosis as occup.dis. in miners)

EXCERPTA MEDICA Sec 13 Vol 13/2 Dermatology Feb 59

438. PHOTSENSITIZATION AMONG WORKERS OCCUPIED IN THE COKERIES -
 Uczulenie na światło u pracowników zatrudnionych w przemyśle koksochemic-
 znym - Chorazak T., Kochanowicz T. and Niepokojczycka E.
 - MED. PRACY 1957, 8/8 (389-403)

876 workers of the cokeries were tested; 81.3% of them showed melanoderma and 28.4% photosensitization of the skin marked by changeable erythemas of the face, neck and hands, according to the degree of irradiation. The presence of pathological porphyrin in the urine was proved as well as some aberrations of the normal liver function and of the blood formula. The symptoms are considered as a special form of general toxæmia, produced by the long-lasting action of hydrocarbons, both on the skin and on the whole body. The presence of porphyrin in the urine is not an essential cause of the photosensitization of the skin. This was proved by the negative light tests in persons showing porphyrin in the urine, as well as by the lack of porphyrin among persons hypersensitive to UV rays. It has not been possible to transfer photosensitization to healthy people in a passive way.

(XVII. 13)

CHORAZAK, T.; KOCHANOWICZ, T.; KLICHTA, N.

Effects of quartz lamp irradiation on the development of experimental staphylococcal lesions in rabbits. Med. dozw. mikrob. 9 no.2:205-210 1957.

1. Z Kliniki Dermatologicznej A.M. w Zabrze Dyrektor: prof. dr. Chorasak.

(RADIATIONS, off.

quartz lamp irradiation on develop. of exper. micrococcal lesions in rabbits (Pol))

(MICROCOCCAL INFECTIONS, exper.

off, of quartz lamp irradiation on develop. of lesions in rabbits (Pol))

EXCERPTA MEDICA Sec 16 Vol 7/1 Cancer Jan 59

15. *Occupational carcinoma in the coke-chemical industry.* Nablioniaki zawodowe w przemyśle koksochemicznym. KOCHANOWICZ T., MITCHELL H. and PARKE R. *Med. Pracy* 1958, 9/3 (1958-1960) Tables 5 Illus. 17

The incidence of carcinoma of the skin was studied in 2,013 workers of the coke-chemical industry (1,603 from coke factories and 410 from briquette factories). In 20 cases skin cancer was found and in 6 cases scars from healed cancers (together 1.2%). Keratoacanthomas were detected in 2 cases. In the coke factories the incidence was 1% in the briquette works it was 2.4%. The average age of the briquette workers with cancer was lower than that of the coke-factory men with cancer. The greater part of the briquette factory workers had developed their cancer during their first 10 yr. of employment. As a rule warts and defective cornification were the basis for the neoplastic growth.

RASIEWICZ, Wieslaw; KOCHANOWICZ, Teresa

Bourneville's syndrome. Polski tygod. lek. 14 no.18:817-819 4 May 59.

1. Z Kliniki Dermatologicznej Slaskiej Akademii Medycznej; Kierownik: prof. dr T. Chorasak). Adres: Zabrze, ul. Curie Sklodowskiej 10. Klin. Dermatol. Sl. A.M.

(TUBEROUS SCLEROSIS, case reports
(Pol))

KOCHANOWICZ, Teresa; JERZYKOWSKA, Halina

Treatment of recurrent aphthae with atabrine. *Przegl.derm.*,
Warsz.46 no.5:489-493 S-O '59.

1. Z Kliniki Dermatologicznej Sz. A.M. w Zabrsu. Kierownik:
prof.dr. T. Chorasak.

(QUINACRINE ther.)

(STOMATITIS ther.)

PIETRZYKOWSKA, Alina; KOCHANOWICZ, Teresa

Angioma serpiginosum. Przegl. dermat. 49:179-182 '62.

1. Z Kliniki Dermatologicznej Szpitala w Zabrzu Kierownik: prof. dr
T. Chorasak.

(ANGIOKERATOMA)

L 27803-66

ACC NR: AP6006511

SOURCE CODE: PO/0034/65/000/010/0443/0444

AUTHOR: Kochanowska, Alina (Master Engineer); Wolski, Wladyslaw (Master Engineer)

ORG: Department of Electrical Apparatus, Lodz Polytechnical Institute (Katedra Aparatów Elektrycznych Politechniki Łódzkiej) 36
B

TITLE: A "halotron" meter for voltage drop at switch contacts

SOURCE: Pomiary, automatyka, kontrola, no. 10, 1965, 443-444

TOPIC TAGS: Hall effect, measuring instrument, electric measuring instrument, voltmeter

ABSTRACT: The voltmeter design and operating principle of a "halotron" voltage drop meter are described and the accuracy of the meter analyzed. Such a meter would be used to measure voltage drop at the contacts of high voltage switches. The method described here which uses the halotron makes possible a practical solution to the problem of voltage drop determination with an accuracy sufficient for all practical purposes. The "halotron" meter permits the measurement of voltage drop from the resistance of the contacts for the case where alternating currents of from 25 to 500 A are flowing through them. The overall error of the meter, equal to the sum of the individual errors, is less than $\pm 5\%$. It is calibrated for operation at an ambient temperature of 20°C . When measurements are being made at higher ambient

Card 1/2

UDC: 621.317.321:621.382.2

L 27805-66

ACC NR: AP6006511

temperatures, a correction of 0.6% per degree must be made. Orig. art. has: 3 figures and 4 formulas.

SUB CODE: 09/ ORIG REF: 002/ OTH REF: 001/ SUBM DATE: none

Card 2/2 CC

KOKHANOVSKAYA, Mariya [Kochanowska, Maria]

Give more leisure time to women workers! Vsem. prof. dvizh.
no.3:22-23 Mr '63. (MIRA 16:3)

1. Predsedatel' Varshavskogo rayonnogo komiteta professional'nogo
soyusa tekstil'shchikov.

(Poland--Women--Employment) (Poland--Textile industry)

BIELICKA, Isabela; KOCHANOWSKA-SIKORSKA, Janina

Birth injuries of the spinal cord with report of a case.
Pediat.polska 30 no.5:473-480 May '55.

1. Z Kliniki Niemowlęcej Instytut Matki i Dziecka w Warszawie
Dyrektor Instytutu: prof. dr Med. Fr. Grosz. Kierownik Kliniki:
doc. dr med.I. Bielicka, Warszawa, Kasprzaka, 17, I.M. i Dz.

(LABOR, complications,

birth inj.,spinal cord)

(SPINAL CORD, wounds and injuries,

birth inj)

BIELICKA, Isabela; KOCHANOWSKA-SIKORSKA, Janina

Morbidity & mortality of premature infants. *Pediat. polska* 32 no.7:
821-830 July 58.

1. Z Oddziału Wznesniaków Instytutu Matki i Dziecka w Warszawie
Dyrektor Instytutu: prof. dr med. Fr. Groer Kierownik Oddziału: doc.
dr med. I. Bielicka. Adres: Warszawa, ul. Nowogrodzka 75, Oddz. Wznes-
niaków I. M. 1Da.

(INFANT MORTALITY

premature inf. in Poland (Pol))

(INFANT, PREMATURE, statist.

morbidity in Poland (Pol))

HOFMAN, Halina ; KOCHANOWSKA-SIKORSKA, Janina

A case of rheumatic disease in a 14-month-old infant. *Pediat.*
polaka 35 no.3:314-321 Nr '60.

1. 2 Oddziału Niemowlęcego Instytutu Matki i Dziecka w Warszawie,
Dyrektor Instytutu: prof. dr med. Fr. Greer, p.o. Kierownik
Oddziału: k.n.m. dr med. H. Hofman.
(RHEUMATIC FEVER case reports)

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(GOSPODARKA MIESNA, Vol. 6, No. 2, Feb. 1954. Warszawa, Poland.)

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Influence of the test circuit imitating a stopped squirrel-cage motor on the results of testing the mechanical life of heavy duty contactors. Przegl elektrotechn 40 no.1:38-43 Ja'64.

1. Katedra Aparatów Elektrycznych, Politechnika, Łódź.

KOCHANOWSKI, Zdzisław, mgr ins.; DREWNIAK, Roman, mgr ins.

Remarks on the present criteria of the rate of coal winning losses.
Przełom 19 no.2:75-78 F '63.

444. Kochenderfer, W. Influence of pressure on viscosity and its effect on lubrication of sliding surfaces (in Russian) Rezhissir 181, 8, 74 43, May 1952

Moskva and Leningrad are supposed to have explained the two
 body curves through hydrodynamic theory by assuming a
 viscosity dependence on pressure along the boundaries of the

contact surface which increases to infinity at low film thicknesses
 resulting. However, this behavior does not agree with that of the
 Petroff equation, which shows that friction coefficient even at
 low sliding velocity. Author demonstrates that at higher load-
 ing levels or low sliding velocities, the Moskatberg curves
 with pressure distribution which, not being true, are given as
 examples. This is the consequence of the use of the exponential
 law being derived by interpolation of viscosity values measured at
 constant temperature. Actually, the temperature in the lubricat-
 ing film is not constant but to cause the integral relation. The
 variation corresponds to the law of viscosity dependence on pressure.
 Viscosity in the film does not increase so rapidly as is shown by
 the exponential law. In order to correct the influence of tem-
 perature, author performs the calculations for the example of a
 fluid with the viscosity law $\eta = \eta_0 e^{kP}$ and shows that the
 results agree with the experimental data. The curves are
 given for values lower than the first set of curves and
 then appear at higher loads and velocities. The curves of
 the bearing capacity, plotted on a logarithmic scale, show
 a trend which is plotted throughout the range of the curves.

Author does not intend to show that curves of the type
 actually shown are the only ones possible. He only intends
 to show that the generally accepted theory of the
 Eyring theory is due to the use of the exponential law.
 The use of the Petroff curve shows non-
 sliding velocities below the effects of adhesion and cannot
 be compensated by hydrodynamic, which does not take ad-
 hesion into consideration. (P. 74, 43, May)

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Difficulties in diagnosis of psychic disorders in sclerosis tuberosa.
Neurol. neurochir. psychiat. polska 1 no.3:206-211 1951. (CJML 21:5)

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Warsaw Medical Academy.

Kochanska, S.

KOCHANKA S.

Skieja promiatydzyniska praprowadzona przez Ministerstwo
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p. 470-74.

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Analysis of deaths of infants who died at home in Warsaw. Pediat. polska
32 no.7:829-836 July 57.

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Warszawie Dyrektor Instytutu Matki i Dziecka w Warszawie Dyrektor.
Instytutu; prof. dr med. Fr. Orser. Adres: Warszawa, ul. Kasprzaka 17,
Instytutu Matki i Dziecka

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home deaths in Warsaw (Pol))

KOCHANska, Z.; SHUGAR, D.

Deamination of purines during acid hydrolysis of nucleic acids.
Acta biochim. polon. 3 no.4:591-594 1956.

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(NUCLEIC ACIDS,
hydrolysis, deamination of purines in (Pol))
(PURINES,
deamination in hydrolysis of nucleic acids (Pol))

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(PROTEINS, metabolism, biosynthesis, review (Pol))

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Attempted isolation and characteristics of infectious nucleic acid from tick-borne encephalitis virus. Preliminary communication. Med.dow.mikrob. 12 no.4:405-410 '60.

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(NUCLEIC ACIDS virol)
(ENCEPHALITIS EPIDEMIC virol).

1/1

S. KOCUMSKA-KI. PALCZA, Department of Virology, State Hygiene Institute
(Zaklad Wirusologii, Instytut Zaklad Higieny), Warsaw.

"The Identity of 'Infectious Viral RNA' from Virus-Infected Tissues
with 'Soluble RNA' and 'pH5-Enzymes-RNA'."

Warsaw, Bulletin de l'Academie Polonaise des Sciences, Serie des
Sciences Biologiques, Vol 10, No 11, 1962; pp 461-455.

Abstract [English article]: Experiments with Coxsackie virus RNA
preparation from suckling mouse tissue homogenates indicate that RNA
is obtained from soluble unfiltered fraction of tissue not from virus
itself. Fractionation procedure described; paper chromatography,
spectrophotometry, infectivity testing of fractions. Three tables,
4 Polish and 11 Western references.

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KOCHANSKA-KOPALOWA, Z.

The identity of infectious viral RNA from virus-infected tissues
with soluble RNA and pH 5-enzymes-RNA. Bul Ac Pol biol 10
no.11:451-455 '62.

1. Department of Virology, State Institute of Hygiene, Warsaw.
Presented by J.Heller.

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[POLAND

KOCHANSKA-KIEPALOVA, Zofia and TAYTYSCH, Florentyna Z. Virology Research Office (Zaklad Virusologii), State Institute of Hygiene (Panstwowy Zaklad Higieny) (Director: Prof. Dr. F. PRZESMYCKI)

"Infectious RNA Obtained from Coxsackie Viruses and Its Properties."

Warsaw, Nedyoyna Doswiadczalna i Mikrobiologia, Vol 15, No 2, 63, pp 167-175.

Abstract: [Authors' English summary] Samples of bone-muscle tissue extracts obtained from newborn mice infected with various strains of Coxsackie viruses were treated after Gierer and Schramm. The obtained preparations possessed properties of infectious RNA, since infectivity disappeared after incubation with RN-ase. On hydrolysis, the infectious RNA showed a higher content of guanine and cytidylic acid than of adenine and uridylic acid. Original tissue extracts were Seitz-filtered and filtrates tested for RNA content. No loss of RNA concentration could be found. There are 16 references, which contain two Polish, one Czech, two German, and the balance Western references.

1/1

Kochanski, J.
SURNAME, Given Names

Mac 3

Country: Poland

Academic Degrees:

Affiliation: Department of the Technology and Control of Veterinary Drugs
of the Veterinary Institute (Zaklad Technologii i Kontroli
Lekow Weterynaryjnych, Instytut Weterynarii), Warsaw;
Director (Kierownik): Dr Antoni Teklinski

Source: Lublin, Medycyna Weterynaryjna, Vol XVII, No 10, October 1961,
pp 579-584

Data: "Lyophilization of Vaccine S-19 Against Infectious Abortions
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Authors:

✓ TEKLINSKI, A, Dr
✓ KOCHANSKI, J [Academic Degrees not given]
✓ TERESZCZUKOWA, M [Academic Degrees not given]
✓ DENIS, B [Academic Degrees not given]

870 9016-3

KOCHANSKY, V.; HERAK, M., dr

On the Carboniferous and Permian Dasyoladaceae of Yugoslavia; with
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1. Geological and Paleontological Institute of University of Zagreb,
Socijal. Revolucije 8/II. 2. Urednicki odbor, Geoloski vjesnik,
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1. Tehnoloski fakultet, Zagreb.

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MILSKYI VILSKYI, Zvezda, Vol. 5/7, 1951/52 (published 1952).

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p. 355.

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SO: MONTHLY INDEX OF EAST EUROPEAN ACCESSIONS (MEAI) LC, VOL. 7, NO. 1, JAN. 1958

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p. 39 (Geoloski Vjesnik) Vol. 10, 1956, Zagreb, Yugoslavia

SO: MONTHLY INDEX OF EAST EUROPEAN ACCESSIONS (KEAI) LC, VOL. 7, NO. 1, JAN. 1958

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Finds of neo-Schwager fauna in southern Montenegro, Yugoslavia. p. 21.

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Uncl.

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1. Glavni urednik, Geoloski vjesnik. Geolosko-paleontološki
institut Svencilista, Zagreb.
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KRANJEC, Velimir; AMSEL, Vera; PAVLOVSKY, Melita; KOCHANISKY-DEVIDE, Vanda, dr

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1. Zavod za geologiju ugljena i nafte, Tehnološki fakultet, Zagreb, kacićeva 26/IV (for Kranjec and Amsel). 2. Geolosko-paleontološki institut, Sveuciliste Zagreb, Socijal. Revolucije 8/II (for Pavlovsky and Kochansky-Devide). 3. Urednicki odbor, Geoloski vjesnik, glavni urednik (for Kochansky-Devide) (Bosnia and Herzegovina--Geology) (Coal)

KCCHAMSKY-DEVIDE, Vnada, dr.

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1. Clan Urednickog odbora, referent, "Geoloski vjesnik",

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fakultet, Zagreb, Socijalističke revolucije 8.
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KOCHANSKY-DEVIDÉ, V.

"Pliocene of the Kosovo Basin, South Serbia" by [Geoloski zavod
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Kochansky-Devidé. Bul so Young 7 no.3:78 Ja '62.

KOCHANISKY-DEVIDE, V.

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KOCHANSKI-DEVIDE, V.

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Srbije, Beograd] R. Radcicic, B. Milovanovic, M. Sladio, and
A. Grubic, and [Geoloski institut Srpske akademije nauka, Beograd]
M. Pasic. Reviewed by V. Kochansky-Devids. Bul so Youg 7
no.6:176-177 B '62.

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1. Geološko-paleontološki institut Sveučilista u Zagrebu.

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ALEKSAPOL'SKIY, D.Ya., kand. tekhn. nauk; KOCHAREV, A.Ya., kand.
tekhn. nauk, retsenzent; KROLEVETS, K.S., retsenzent;
PARSHCHIK, S.A., kand. tekhn. nauk, red.; SAVKIN, I.P.,
inzh., red.issd-va; TIKHONOV, A.Ya., tekhn. red.

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summary in Russian]. Uch.sop. AGU no. 12:31-36 '55. (MIRA 9:11)
(Dissociation) (Dielectrics)

KOCHARLI, K. Sh.
USSR/Physical Chemistry. Liquids and Amorphous Bodies.
Gases.

B-6

Abs Jour: Ref Zhur-Khimiya, No 5, 1957, 14575

Author : K. Sh. Kocharli

Inst : Azerbadehan University

Title : Study of Dielectric Permeability of Mineral Oils and
Mineral Oil Products

Orig Pub: Uch, zap. Azerb. un-ta, 1956, No 4, 13-17

Abstract: The dielectric permeability of mineral oils from the productive strata "Artemneft" and their fractions was measured by the method of comparing the capacity of a condenser filled with a liquid with its own capacity. It was established that the substances under study belonged to the group of polar dielectrics. Their dielectric permeability is within the limits from 2 to 2.6 and increases together with the density and the depth of the productive strata.

Card 1/1